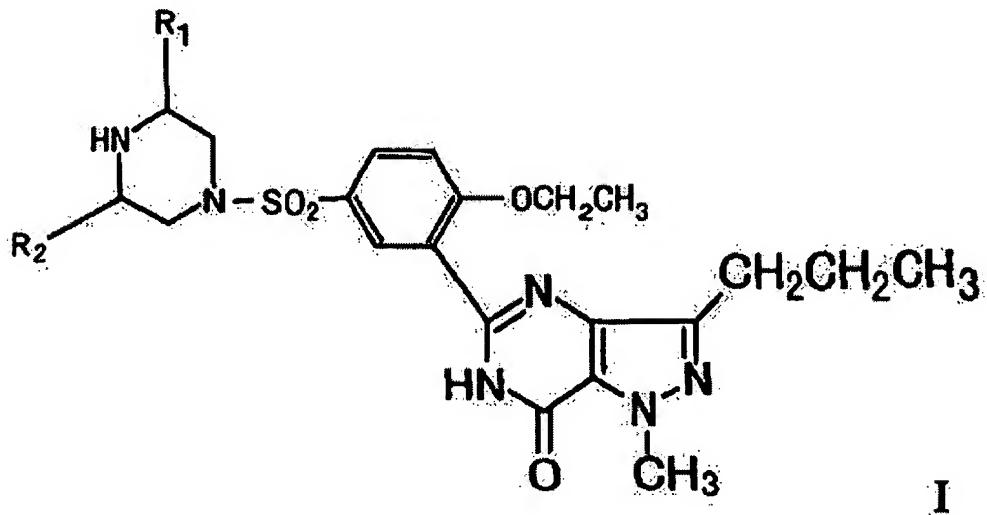


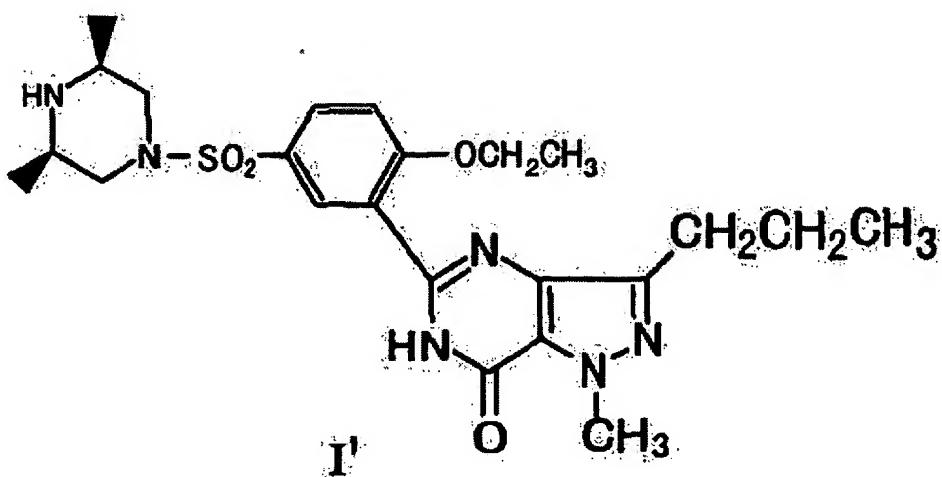
Claims

1. A compound of formula (I), or a pharmaceutically acceptable salt or a stereoisomer thereof:



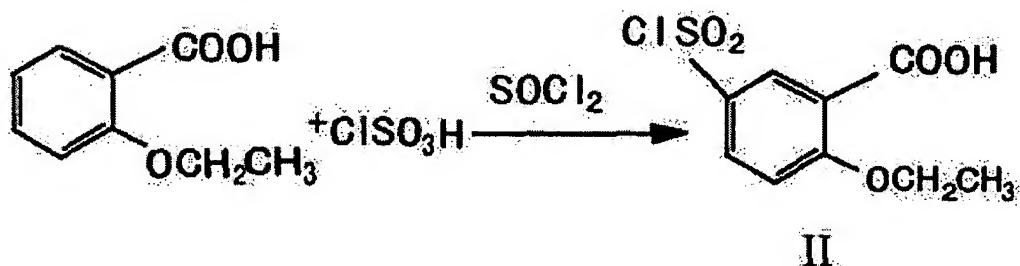
Wherein, R₁ and R₂ may be the same or different and independently be C₁₋₆ alkyl.

2. The compound according to claim 1, wherein said compound is 5-[[2-ethoxy-5-(cis-2,6-dimethylpiperazin-4-ylsulphonyl)phenyl]]-1-methyl-3-n-propyl-7,6-dihydro-1H-pyrazolo[4,3-d]pyrimidin-7-one, and said compound has the structure of formula (I') as follows:

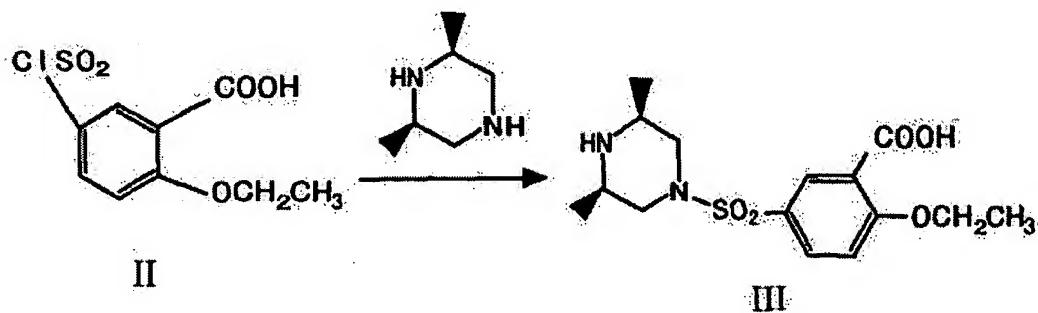


3. A method for preparing the compound of formula (I'), comprising the following steps:

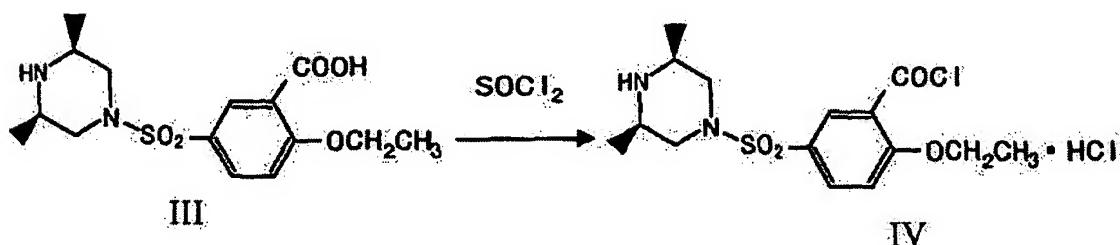
a. reacting 2-ethoxy benzoic acid, as raw materials, with chlorosulfonic acid in the presence of sulfoxide dichloride, obtaining 5-chlorosulphonyl-2-ethoxy benzoic acid (compound II);



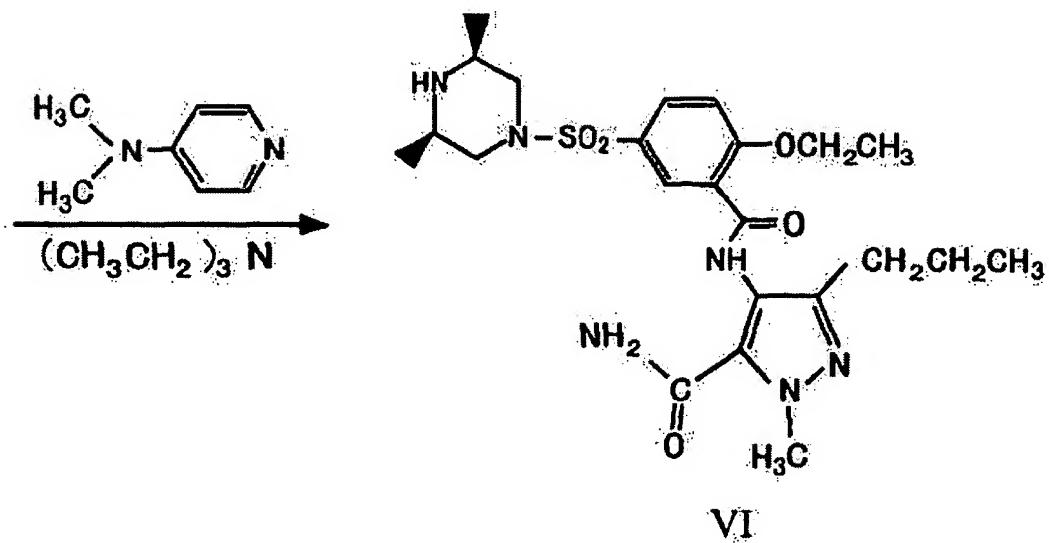
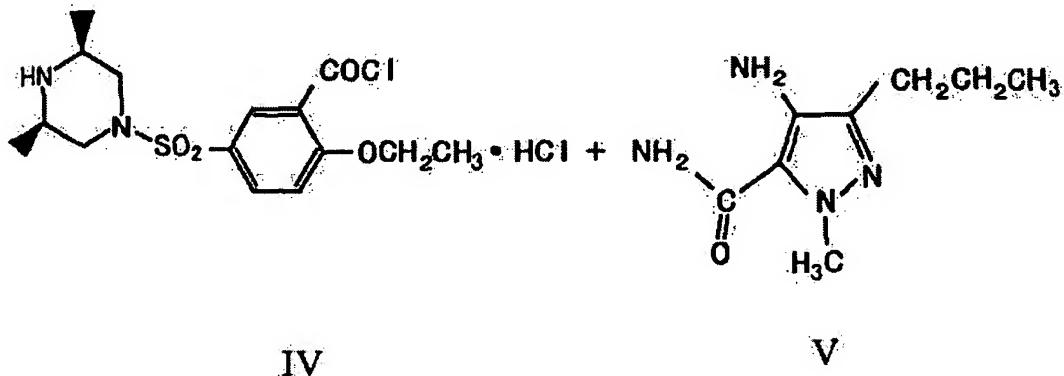
b. reacting the compound II with cis-2,6-dimethyl piperazine, obtaining 2-ethoxy-5-(cis-2, 6-dimethyl piperazin-4-ylsulphonyl) benzoic acid (compound III);



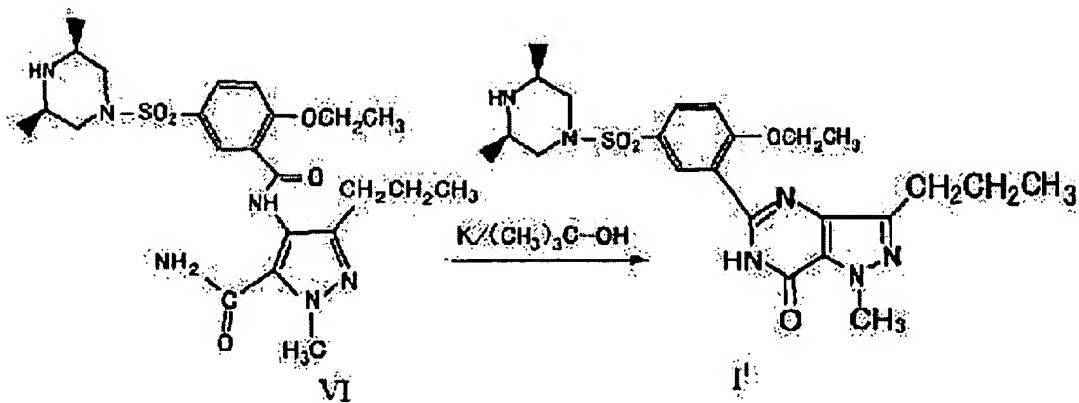
c. nucleophilicacyl substitution of the compound III, obtaining 2-ethoxy-5-(cis-2,6- dimethylpiperazin-4-ylsulphonyl)benzoylchloride(IV);



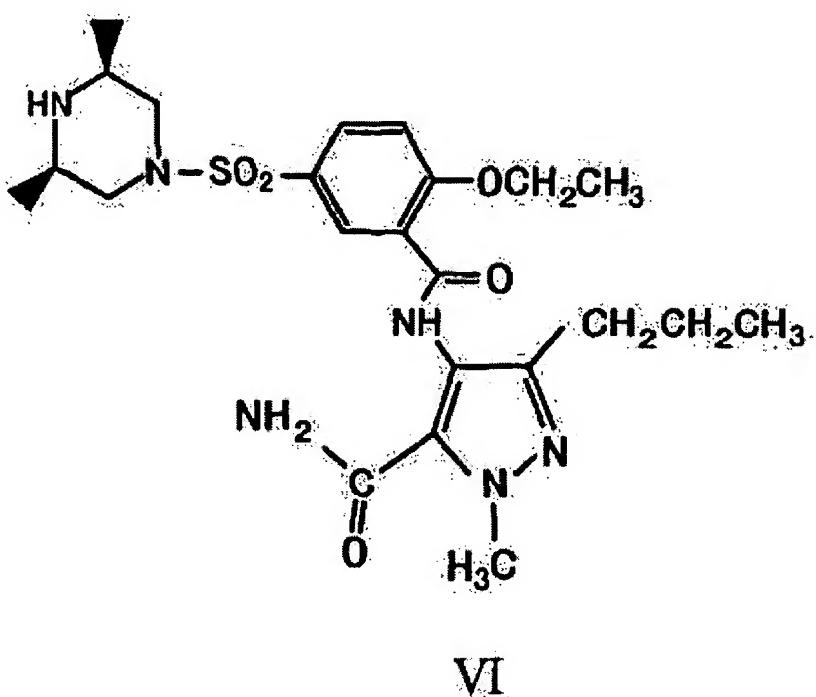
d. reacting the compound (IV) with the compound (V) in the presence of 4-dimethylaminopyridine and triethylamine, obtaining 4-[2-ethoxy-5-(cis-2,6-dimethylpiperazin-4-ylsulphonyl)benzamido]-1-methyl-3-n-propylpyrazole-5-carboxamide (compound VI);



e. cyclization of the compound VI in the present of potassium t-butoxide, obtaining 5-[[2-ethoxy-5-(cis-2,6-dimethylpiperazin-4-ylsulphonyl)phenyl]]-1-methyl- 3-n-propyl-7,6-dihydro-1H-pyrazolo[4,3-d] pyrimidin-7-one (I') .



4. A compound of formula (VI), which is 4-[2-ethoxy-5-(cis-2,6-dimethylpiperazin-4-ylsulphonyl)benzamido]-1-methyl-3-n-propyl-pyrazole-5-carboxamide, having the structure as follows:



5. A pharmaceutical composition for treating impotence, comprising a therapeutically effective amount of a compound of formula (I), its pharmaceutically acceptable salts or stereoisomers, as an active component, and a pharmaceutical acceptable carrier.

6. The pharmaceutical composition according to claim 5, wherein the compound

of formula (I) is 5-[[2-ethoxy-5-(cis-2,6-dimethylpiperazin-4-ylsulphonyl)phenyl]] -1-methyl-3-n-propyl-7,6-dihydro-1H-pyrazolo[4,3-d]pyrimidin-7-one.

7. A method of treating impotence diseases in a subject comprising administering to the subject a composition comprising a compound of formula (I).

8. The method of claim 7, wherein the compound of formula (I) is 5-[[2-ethoxy-5-(cis-2,6-dimethylpiperazin-4-ylsulphonyl)phenyl]]-1-methyl-3-n-propyl-7,6-dihydro-1H-pyrazolo[4,3-d]pyrimidin-7-one.